

FEMORAL BROACH WITH UNDERCUT TEETH**Abstract of the Invention**

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An elongated cutting tool (10, 110) intended to plunge cut a blind form in a bone using a plurality of teeth (30, 130) arranged on the tool. At least one of the teeth is an undercut tooth (30, 130) having a cutting edge (470, 570). The undercut tooth (30, 130) has a profile defined substantially along a primary relief angle (480, 580) measured from a vertical reference plane (477, 577) passing through the cutting edge (470, 570) and by a positive rake angle (485, 585) measured from a horizontal reference plane (472, 572) passing through the cutting edge (470, 570). The undercut tooth (30, 130) has a parabolic, non-circular relief (490, 590) along which bone chips are guided substantially away from the bone being cut, thereby avoiding capturing debris in the teeth and, consequently, avoiding overstressing the bone during cutting.

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